BRUHAT BANGALORE MAHANAGARA PALIKE

YELHANKA ZONE ELECTRICAL DIVISION

Name of Work:-Detailed Modefied Estimate forMaintenance including electrification to connected roads to international Airport Road in Ward no 1,5&7

Budget Head .....

Division No..... Estimate No. ..... For Rs. **790992.53**

Sl.No.	SR Page & SL No	Description of Work	Qty.	Rate Rs.	Unit	Amount
1	56/7.6.2	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.3 X 16 + 1 X 25 SQ.MM	2189	95.00	Per Mtr	207955.00
2	56/7.6.5	3 X 25 + 1 X 25 + 1 X 16 SQ.MM	137	125.00	Per Mtr	17125.00
3	Bes Sr	Stringing of 1.1kv LT Arial Bunched Cable, BESCOM SR	2326	10.00	Per Mtr	23260.00
4	12/2.1	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded Aluminium unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm.	105	5.00	Each	525.00
5	55/7.4.5	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 3.5 core 25 sqmm4 core 16 sqmm	200	135.00	Per Mtr	27000.00
6		3.5 core 25 sqmm	150	175.00	Per Mtr	26250.00
7	61/7.8.2	Labour charges for lying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct.b)25sqmm to 75 sqmm	250	10.00	Per Mtr	2500.00
8	7.9	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	200	90.00	Per Mtr	18000.00
9	46/6.1.3. A.1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE	12	2900.00	Nos	34800.00
10	33/5.8.5	Supplying and Fixing ..... including all Hardware's etc. complete as per the standard technical specification of BESCOM. RCC Clamp	10	90.00	Each	900.00
11	6.7.3	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps	24	100.00	Each	2400.00
12	47/6.1.6. 6	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.f)40-63Amps TPN,	11	1200.00	Each	13200.00

13	6.4.2	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary	238000	0.30	Sqcm	71400.00
14	46/6.1.2.4	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	19	7900.00	Each	150100.00
15	6/2.6.7	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	100	50.00	Per Mtr	5000.00
16	17/3.1.0	Supplying and fixing phylum brand hand plastic sheet 3mm thick with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws	48600	0.20	Sqcm	9720.00
17	49/6.39.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	31	200.00	Per Mtr	6200.00
18	32/9	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	12	2200.00	Nos	26400.00
		BESCOM SR	0			
19	1.1.1	Digging of Pits 1.8 mtr depth for errection of 9 to 10mtr Long Steel/RCC/PSC supports as per approved Drawing.Ordinary Soil	6	700.00	Nos	4200.00
20	2.1	Erection of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming asapproved drawing	6	500.00	Nos	3000.00
21	1.8.2	Pole concreting with CC 1:2:4 (without coping) f) 8mtrs support (400x400x1500mm)	6	700.00	Nos	4200.00
22	17.1	Any Dismantling work 90% of the corresponding erection charges(304x90%=273.6)	3	700.00	Nos	2100.00
23	27.1	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	4	1500.00	Days	6000.00
24	48.1	Laying of UG Cables by trenchless technology by adopting horizontalboring & Drawing of cable including preparation at site With HDPE Pipei) Normal soil 5" bore size	82	650.00	Mtrs	53300.00
25	Pwd Sr	Providing and laying in position reinforced cement concrete of nominal mix 1:1.5:3 using 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cm thick vibrated for all works , in foundation, plinth and sills including cost of all materials,labour,HOM of machinery, curring complete as per sepecifications (P-12 It no.4.11)	1	2000.00	Cmt	2000.00
		EIRL				0.00

21	56/7.4.6	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.3.5 core 35 sqmm	100	161.466	Mtrs	16146.60
22	2.09	Supplay of 2 Pin Cross Arm with pole clamp, bolt & nuts & washers for RCC Pole - MS	66	128.223	Nos	8462.72
23	53.01	Suspension clamp suitable for insulated Messsenger wire of size 25 to 95Sq mm	60	257.2375	Nos	15434.25
24	53.18	Universal Hook and Bolts & Nuts	60	241.4075	Nos	14484.45
25	53.2	Dead End Clamp/Anchor Clamp Assembly 16 to 70 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	12	158.3	Nos	1899.60
26	46.6	Erection of Suspension Clamp - 25 to 95 sqmm bare messenger	60	91.0225	Nos	5461.35
27	46.1	Fixing of Universal Hook/Dead end clamp	72	91.0225	Nos	6553.62
28	4.1	Fixing of 2 Pin cross arm with insulator and Braces fixing	66	75.984	Nos	5014.94
		Total Rs				790992.53

CERTIFICATE

1. The Place was inspected and work is essential
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2014-15 .

Jr/Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
yelhanka zone
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YELHANKA ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE

Modified
Technical Sanction
Accorded For Rs 790992.53
Head of A/C P-1888
CER NO TS/18/17-18 Dt: 07.09.2018

TA CE (YNK)